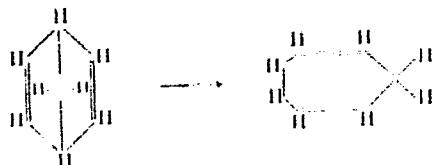


77652  
30J/30-33-2-34/52

Concerning the Isolation of  
Aldrin and Dieldrin

toluene (1%) was also formed.

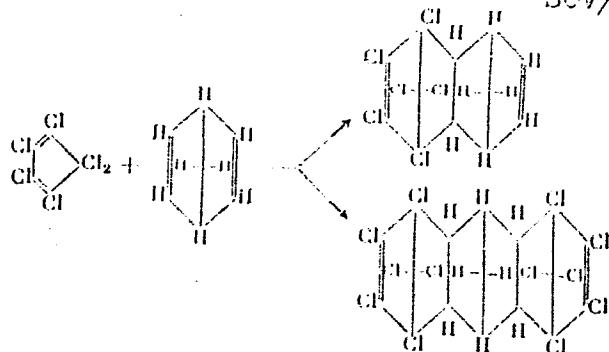


The conditions governing the direction of the reaction  
of bicyclic heptadiene with hexachlorocyclopentadiene  
in the synthesis of aldrin were investigated.

Card 3/6

Concerning the Isolation of  
Aldrin and Dieldrin

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SCV/60-33-2-34/52



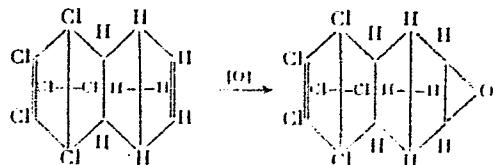
It was found that the optimum conditions were as follows: molar ratio of the above reactants 2.5:1; time of reaction 18 hr; temperature 90-110° C. The complete synthesis of aldrin consisted of the following operations: (1) condensation of acetylene with cyclopentadiene; (2) distillation of the reaction products and separation of bicycloheptadiene; (3)

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Concerning the Isolation of  
Aldrin and Dieldrin

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SOV/80-33-2-34/52

condensation of bicycloheptadiene with hexachloro-cyclopentadiene; (4) steam distillation of the excess bicycloheptadiene; (5) separation of aldrin from water; (6) separation of bicycloheptadiene from water and returning it to the condensation stage (1). The steam-distilled bicycloheptadiene was 95% recovered and could be used again without any further purification. Dieldrin was obtained on oxidation of aldrin by means of 3-fold excess of 27% hydrogen peroxide in 80% acetic acid at 100° C. Dieldrin thus obtained had mp 100-130° C. The content of dieldrin in the technical product was about 80%



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Concerning the Isolation of  
Aldrin and Dieldrin

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SOV/80-33-2-34/52

Some experimental work was done by G. A. Tarasova at the Institute of Organic Chemistry, Academy of Sciences, USSR. Determination of combustion temperatures was made by M. P. Kozina and S. M. Shtekher at the Luginin Laboratory of Thermochemistry of Lomonosov Moscow State University. Cyclopentatriene analysis was made by M. Ye. Vol'pin at the Institute of Element-Organic Compounds, Academy of Sciences, USSR. There are 4 figures; 1 table; and 23 references, 9 U.S., 2 U.K., 1 Canadian, 1 Indian, 2 Swiss, 1 East German, 7 Soviet. The 5 most recent U.S. and U.K. references are: Handbook of Aldrin, Dieldrin, and Endrin Formulations, Shell Chemical Corp. (1954); J. Hine, J. A. Brown, L. H. Zalkow, W. E. Gardner, M. Hine, J. Am. Chem. Soc., 77, 3, 594 (1955); R. E. Lidov, U. S. Pat. 2635977, 21.IV.1953; B. Soloway, U.S. Pat. 2676131, 2.V.1954; R. E. Lidov, S. B. Soloway, Brit. Pat. 692547 (1954).

SUBMITTED: June 25, 1959  
Card 6/6

VOL'FSO<sub>N</sub>, L.G.; KOGAN, L.M.

Chlorinated insecticides made from hexachlorocyclopentadiene. Khim.  
prom. no.10:8-13 0 '61. (MIRA 15:2)  
(Insecticides)

MEL'NIKOV, N.N.; VOL'FSO<sup>N</sup>, L.G.; VOLODKOVICH, S.D.

Herbicides and plant growth regulators. Part 36: Synthesis of certain tetrachloro-, pentachloro-, and hexachloro-3,6-endomethylenetetra hydrophthalamic acids and their imides. Zhur. ob. khim. 31 no. 2:499-506 F '61. (MIRA 14:2)  
(Phthalamic acid) (Herbicides)

MEL'NIKOV, N.N.; VOLODKOVICH, S.D.; VOL'FSON, L.G.; GRANIN, Ye.F.

Production and insecticide properties of octachloroendomethylenetetrahydrophthalan. Zhur. prikl. khim. 34 no. 12:2716-2722 D '61.  
(MIRA 15:1)

1. Nauchnyy institut po udobreniyam i insektofungisidam imeni  
professora Samoylova.  
(Phthalan)

VOL'FSON, L.G.; MEL'NIKOV, N.N.; PLATE, A.F.; PEREL'MUTER, P.M.;  
VOLODKOVICH, S.D.; PRYANISHNIKOVA, M.A.; LEBEDEVA, K.V.;  
VOLOSHKEVICH, N.P.

Continuous method for the preparation of aldrin. Khim.prom.  
no.10:714-717 0 '62. (MIRA 15:12)  
(Aldrin)

VOLODKOVICH, S.D.; VOL'FSON, L.G.; CHEKALINA, V.I.; TREML', A.G.; FRENKEL',  
A.M.

New nematocides - polyhalo derivatives of hydrocarbons and esters  
of haloacetic acids. Khim.prom. no.9:648-650 S '62. (MIRA 15:11)  
(Nematocides)

SHOGAM, S.M.; VOL'FSON, L.G.; YEFIMENKO, I.A.

Method for determining heptachlor in a technical product.  
[Trudy] NIUIF no.171:49-51 '61. (MIRA 15:7)  
(Heptachlor)

VOL'FSON, L.G.; MEL'NIKOV, N.N.; PLATE, A.F.; TARASOVA, G.A.; PERSON,  
A.I.; PLETNEVA, L.S.

Preparation of isodrin and endrin. [Trudy] NIUIF no.171:  
52-60 '61. (MIRA 15:7)  
(Isodrin) (Endrin)

MEL'NIKOV, N.N.; VOL'FSO, L.G.; KUKALENKO, S.S.

Diene synthesis reactions with polyhalocyclopentadienes. Rekt.-  
org.sod 11:7-230 '62. (MIRA 15:6)  
(Chemistry, Organic--Synthesis) (Cyclopentadiene)

MEL'NIKOV, N.N.; VOL'FSO<sup>N</sup>, L.G.; KUZNETSOVA, K.V.; SAPOZHKO<sup>V</sup>, Yu.N.;  
GAR, K.A.; GRANIN, Ye.F.; FARBER, M.S.

Insecticides based on hexachlorocyclopentadiene. [Trudy] NIUIF  
no.164:8-11 '59. (MIRA 15:5)  
(Cyclopentadiene)

VOL'FSON, L.G.; PERSON, A.I.; TRUNOV, P.P.

Investigation of new effective measures for controlling herbivorous  
Acarina. [Trudy] NIUIF no.164:22-23 '59. (MIRA 15:5)  
(Insecticides) (Acarina)

TARASOVA, G.A.; PLATE, A.F.; MEL'NIKOV, N.N.; VOL'FSO<sub>N</sub>, L.G.; TISHCHENKO, A.I.

Condensation of polychlorocyclopentadienes with acetylene.  
Neftekhimiia 1 no.1:65-69 Ja-F '61. (MIRA 15:2)

1. Institut organicheskoy khimii AN SSSR imeni N.D.Zelinskogo.  
(Condensation products (Chemistry))

VOL'FSOM, L. Ya.

The railroad transport industry between two Five-Year Plans. Moskva, Gos. sots.-ekon. izd-vo, 1934. 126 p.

1. Transportation - Russia. 2. Railroads - Russia - Traffic. I. Danilov, S., jt. au.  
II. Shil'nikov, N., jt. au.

VOL'FSON, L.IA., and others

VOL'FSON, L.IA., and others. Ekonomika transporta. Moskva, Transzheldorizdat, 1941.  
686 p. DLC: HE 3138.V57

SO: LC, Soviet Geography, Part I, 1951, Uncl.

VOLFSON, L. T.

N. N. MELNIKOV, Russ. 53,537, Dec. 31, 1940

VOL'FSON, L. I.A. WOLFSON, L. and others,

Zheleznodorozhnyi transport na rubezhe dvukh piatiletok. Railroad transport between two five-year plans. Moskva, Gos. sets.-ekon, izd-vo, 1934. 126 p. tables.

NN

SG: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860510005-5

VOL'FSON, L. G.

PA 170T26

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860510005-5"

L 52612-65 EWG(j)/EWT(m)/EPF(c)/EPR/T/EWP(t)/EWP(b)/EWA(c) Pr-Li/Ps-4 LJP(c) JD

ACCESSION NR: AF5015755

UR/0032/64/030/112/1513/1515

AUTHOR: Stoyanov, F. A.; Rybakov, O. N.; Vol'fson, L. Yu.

TITLE: An installation for heating samples in the UEMV-100 electron microscope

SOURCE: Zavodskaya laboratoriya, v. 30, no. 12, 1964, 1513-1515

TOPIC TAGS: electron microscope, laboratory apparatus, heating, UEMV-100 electron microscope

Abstract: The authors have developed accessories for heating objects in the UEMV-100 microscope which do not require any substantial modification of the microscope. In the objective the usual terminal is replaced by a special pole face, and on the objective stage, in place of the fork with setting device, is installed a new fork with holder, for heating the sample.

The holder is planned to protect the sample from the effect of escaping gases (the alloy used in preparing the muffle contains a large amount of titanium, which acts as a getter). The alloy has a small coefficient of thermal conductivity (this allows heating the sample to 1,000°C without overheating of the remaining portions of the holder; heat

Card 1/2

L 52612-65

ACCESSION NR: AP5015755

transfer is also reduced by the thinness of the walls of the muffle--0.1 - 2  
0.15 mm--and by the length of the tube--16mm). The effect of the mag-  
netic field on the electron beam is counteracted by a magnetic screen of  
Fermalloy.

Tests have been run with the use of a copper-aluminum (51%, 49%)  
alloy, whose behavior under heating is well known.

The resolving power of the microscope is not seriously affected by  
the installation; however, thermal drift of the sample is unavoidable, and  
lowers resolution of photomicrographs by as much as 20 - 40 %. Orig. art. has  
2 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: OP, TD

NO REF Sov: 001

OTHER: 001

JPRS

100  
Card 2/2

VOL'FSON, Mikhail, zhurnalist (Loninskiy rayon, Krymskaya oblast');  
TARAN, G., red.; ISUPOVA, N., tekhn. red.

[People of a single district] Liudi odnogo raiona; ocherki.  
Simferopol', Krymizdat, 1962. 54 p. (MIRA 15:12)  
(Lenino District—Agricultural workers)

VOL'FSON, M., nauchnyy sotrudnik

Improving the work efficiency of mixed brigades in sea ports.  
Mor, flot 24 no.9-15 S '64. (MIRA 18:5)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya gigiyeny  
vodnogo transporta.

PA 11/19708

VOL'FSO, P. M.

Apr 49

USSR/Mining Methods

"Classification of Mining Systems," Dr G. A. Tsulukidze, Prof, Active Mem, Acad Sci Georgian SSR; A. M. Alyanskiy, P. I. Gorodotskiy, V. A. Korobko, Ye. Ia. Mikhno, N. N. Polynkov, Co-workers of Chair of Ore Mining, Leningrad Mining Inst; V. T. Markelov, P. M. Vol'fson, A. G. Barlas, Mining Engineers; L. I. Baron, V. N. Somovskiy, Candidates Tech Sci, 7 pp

"Gor Zhur" No 4

Proposed classification has two main divisions: mining mildly slanting deposits of small and average width, and mining steeply slanting deposits of any width and large or deposits with mildly slanting walls. First division is divided into: solid, pillar, and room-pillar. Second has two main subdivisions (containing a more detailed breakdown): mining is done without collapsing leaning rocks in early stages of extraction, and mining is done with collapsing of leaning rocks in early stages of extraction.

VOL'FSOM, L. G.

Mel'nikov, N. N.; Vol'fson, L. G.

"Organic Insectofungicides. X. Synthesis of Dialkyl Disulphides." (p. 2085)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 10.

VOL'FSOI, L. G.

Vol'fson, L. G.; Mel'nikov, N. N.

"Organic Insectofungicides. XI. Synthesis of Alkyl Sulphonates with an Iso Structure and the Surface Tension of Their Aqueous Solutions." (p. 2089)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1950, Vol. 20, No. 10.

VOL'FSON, L. G.

USSR/Chemistry - Insecticides

Nov 50

"From the Field of Organic Insectofungicides:  
X. Synthesis of Dialkyldisulfides," N. N.  
Mel'nikov, L. G. Vol'fson, Sci Inst of Fertil-  
izers and Insectofungicides imeni Ya. V. Sam-  
oilov, Min of Chem Ind Lab of Org Insecto-  
fungicides

"Zhur Obshch Khim" Vol XX, No 11, pp 2085-2088  
"Zhur Obshch Khim" Vol XX, No 11, pp 2085-2088

Synthesized series of aliphatic disulfides not  
described in literature; showed reaction of  
alkyl bromides with Na disulfide yields small

USSR/Chemistry - Insecticides  
(Contd.)

Nov 50

output of disulfides with extensively branched  
carbon skeleton. Small yield is due to side  
processes - formation of olefins.

170r25

170r25

170r25

VOL'FSO N, L.I.

VOL'FSO N, L.I.; KOKURINA, O.I.

Electrophoretic and penicillin treatment of acute inflammations.  
Khirurgiia no.6:58-61 Je '55. (MLRA 8:10)

1. Iz khirurgicheskogo otdeleniya Moskovskoy klinicheskoy  
gorodskoy bol'nitsy no.5: i Hospital'noy khirurgicheskoy kliniki  
II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(INFLAMMATION, ther.

penicillin, cutaneous admin. with electrophoresis)

(PENICILLIN, ther. use

inflamm. cutaneous admin. with electrophoresis)

(ELECTROPHORESIS

in cutaneous admin. of penicillin in ther. of inflamm.)

ANSHEVITS, M.Ya.; VOL'FSO<sup>N</sup>, L.I.; GUREVICH, I.B.; IVANOVA, N.A.;  
MIKHAYLOVA, L.I.; RODINA, R.I.; SKACHILOVA, N.N.; TURBINA, N.S.  
(Moskva)

Reactivity of patients to blood transfusion used with chemotherapy.  
Klin.med., 33 no.11:36-45 N '55. (MLRA 9:7)

1. Iz gemoterapevticheskoy kliniki (zav.-prof. M.S.Dul'tsin)  
Tsentral'nogo ordena Lenina instituta hematologii i perelivaniya  
krovi (dir.-chlen-korrespondent AMN SSSR prof. A.A.Bagdasarov)  
(BLOOD TRANSFUSION,  
with chemother.)  
(CHEMOTHERAPY,  
with blood transfusion)

VOLGIN, L.N. (Moskva); SMOLYAR, L.I. (Moskva)

Use of discrete computing devices in the compensation of servo-  
systems. Avtom. i telem. 21 no.8:1158-1164 Ag '60.  
(MIRA. 13:9)

(Servomechanics)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860510005-5

VOL'FSO~~N~~. L. T.

"Insecticide and Fungicide," N. N. Melnikov, E. A. Pokrovskiy, L. T. Vol'fs~~on~~, Pat 58,573  
(USSR) 31 Dec 1940 (SEE: Insect/Fung. in Ya. V. Samoylov)

SO: U-237/49, 8 April 1949

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860510005-5"

VOL'FSO, L. IA., KORNEEV, A. AND SHIL'NIKOV, N

Razvitie zheleznykh dorog SSSR. [Railroad development in the U. S. S. R.].  
Moskva, Transzhelizdat, 1939. 180 p. illus.

SO: Soviet Transportation and communications A Bibliography , Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

VOL'FSON, L. JA.

K itogam pervoi piatiketki na zheleznodorozhnom transporte. On the results of the first fi-  
five-year plan for railroad transportation. (Sots. transport, 1932, no. 3, p. 14-28).  
DLC: HE7.S6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

VOL'FSO<sup>Y</sup>N, L. IA. and DANILOV, S.

V polose tekhnicheskoi rekonstruktsii zheleznyodorozhnogo transporta. In the field of technical reconstruction of railroad transportation. (Sots. transport, 1933, no. 10, p. 27-37).

DLC: HE7.36

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

VOL'FSON, L. JA.

Usilenie material'no-tehnicheskoi bazy zheleznodorozhnogo transporta i ego rabota v pervom piatiletii. [The strengthening of material-technical bases of railroad transportation and their operation in the first five-year plan]. (Sots. transport, 1933, no. 1-2, p. 27-38).

DLC: HE7.S6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

YA

VOL'FSON, L. YA.

Ekonomika transporta. Economics of transportation. Utverzhdeno v kachestve uchebnika dlja vtuzov zhel.-dor. transporta. Moskva, Gos. transp. zhel-dor. izd-vo, 1941. 686 p. maps (part fold.) diagrs. Contents. - Capitalist transport (p. 21-103).- Transport in pre-revolutionary Russia (p.104-125).- Stages in development of Soviet transport (p.166-181).- Freight traffic on railroads and its planning (p.182-361).- Passenger traffic and its planning (362-391).- Material-technical base and planning of capital outlays (p.461-539).- Transport and costs, freight costs (588-612).- Rates and rate policy (p. 613-632).- Finances and accounting (p. 633-683).

DLC: HE3138.V57

Voprosy razvitiia transporta i sviazi v SSSR. Questions of transport and communication development in the USSR. Moskva, 1948. 158 p.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington 1952. Unclassified.

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860510005-5

L'FSON, L. Ya.  
The economics of transportation. Moskva, Gos. transp. zhurnal-dor. izd-vo, 1941. 68. p.  
Lips (50-45383)

E3138.V57

. Railroads - Russia. 2. Railroads.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860510005-5"

VOL'FSON, L. Ya.; LEDOVSKOY, V. I.  
SHIL'NIKOV, N. S.

*Ekonomika Transporta (The Economics of Transport). Moskva, 1941.*

Soviet Source:

Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information Division, Report No. 975666.

VOL'FSO, L. YA.; LEDOVSKOY, V. I.,  
SHIL'NIKOV, N. S.

M: Ekonomika Transporta (The Economics of Transport), 1941, Moskva

Soviet Source:

Abstracted in USAF "Treasure Island", on file in Library of Congress,  
Air Information Division, Report No. 100023 100063 100066  
100070. Unclassified.

STOYANOV, P.A.; RYBAKOV, O.N.; VOL'FSON, L.Yu.

Device for warming objects in the UEMV-100 electron microscope. Zav, lab.  
30 no.12:1513-1515 '64.  
(MIRA 18:1)

STOYANOV, P.A.; VOL'FSO<sup>N</sup>, L.Yu.

Alignment of an electron microscope using an electrostatic prism.  
Radiotekh. i elektron. 9 no.2:351-354 F '64. (MIRA 17:3)

STOYANOV, P.A.; VOL'FSO<sup>N</sup>, L.Yu.

Investigation of the magnetic conductors of electron microscope  
lenses. Izv.AN SSSR.Ser.fiz. 25 no.6:717-720 Je '61.

(Electron microscope)

(MIRA 14:6)

VOL'FSON, M.I., kandidat meditsinskikh nauk; MAR'YASIS, S.I., vrach

Treatment of dacryocystitis in newborns and infants. Vest. oft. 69  
no.3:15-16 My-Je '56. (MLRA 9:8)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. doktor meditsinskikh nauk A.D.Gurkov) Instituta usovershenstvovaniya vrachey i 7-y detskoy polikliniki (konsul'tant - prof. O.I.Shershovskaya) g. Stalinsk)

(DACYROCYSTITIS, in infant and child,  
ther. (Eus))

KRAVCHENKO, A.A. (Moskva); PASTERNAK, A.Ye. (Moskva); NARYSHKINA, T.F. (Moskva); VOL'FSO<sup>N</sup>, M.T. (Moskva)

Occupational pathology of the otolaryngological organs in workers of cotton mills. Gig. truda i prof. zab. 4 no.6:41-43 Je '60.

(MIRA 15:4)

1. Moskovskiy oblastnoy klinichesk<sup>by</sup> institut imeni M.F.Vladimirskogo, Institut sanitarii i gigiyeny imeni F.F.Ertimana i Bol'niitsa fabriki "Krasnyy tekstil'shchik".

(COTTON MANUFACTURE--HYGIENIC ASPECTS) (OTOLARYNGOLOGY)

AYZENSHIADT, I.A.; VOL'FSO<sup>N</sup>, N.B.; DENISQV, S.A.; MUSIN, R.A.

Genetic connection between copper-molybdenum ore formation in  
the Almalyk region and intrusions, and its importance for  
copper ore prospecting. Uzb.geol.zhur.no.3:7-17 '60.

1. Glavgeologiya UzSSR i Institut geologii AN UzSSR.  
(Almalyk region--Copper ores)(Almalyk region--Molybdenum ores)

VOL'FSO<sup>N</sup>, N.B.; GAR'KOVETS, V.G.; KHVALOVSKIY, A.G.

Using geophysical methods for solving certain problems of deep geological mapping in the Almalyk ore deposit. Sov. geol. 4 no.1:109-120 Ja '61. (MIRA 14:1)

(Almalyk region--Ore deposits--Maps)  
(Prospecting--Geophysical methods)

S/169/63/000/001/039/062  
D263/D307

AUTHORS: Vol'fson, N.B., Chembarisov, Sh.A. and Chisty, B.I.

TITLE: An attempt at the application of geochemical and geophysical methods to the prospecting for gold-bearing mineralization in Uzbekistan

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 9, abstract 1D49 (Byul. nauchno-tekhn. inform. M-vo geol. i okhrany nedr SSSR, 1962, no. 1 (35), 52-56)

TEXT: Gold-prospecting was carried out on the Western outskirts of the Turkestan Range. On the basis of the results obtained, it is recommended that analogous prospecting should be carried out in three stages: (1) Metallometric and magnetic surveying to a scale of 1:50,000, or more closely in regions offering a better chance of containing gold. The aim of these surveys is to plot the contours of intrusions and to isolate from their exo-contact zones the more promising plots by the dispersion aureoles of indicator metals. It was found that in the case of prospecting for gold-bearing deposits

Card 1/2

S/169/63/000/001/039/062  
D263/D307

An attempt at the application ...

the following metals may be regarded as indicators: As, Ag, Pb, Zn, Cu, Co, W (in this order). Aureoles of these metals in the north-western part of the region studied overlap with each other, forming complex fields. (2) Assessment of the anomalous plots isolated in this way, by confirmatory traverses, collecting samples to be analyzed for Au and testing concentrates. The aim of this stage is to define the most promising plots on which (3) detailed aurimetric surveys may be carried out, on a scale of 1:10,000, electroprospecting (the NX (IZh) method, combined and symmetric profiling) and assaying the concentrates. The results of detailed investigations are checked by small-scale mining. A preliminary assessment of the isolated gold ore is given, and the advisability of starting surveying work is determined.

Abstracter's note: Complete translation

Card 2/2

VOL'FSON, N.B.; GAR'KOVETS, V.G.; KHVALOVSKIY, A.G.

Using combined geophysical methods in prospecting for primary  
gold deposits in the mountain region of Uzbekistan. Sov. geol.  
6 no.10:76-85 O '63. (MIRA 17:1)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete  
Ministrov UzSSR.

VOL'FSO, N.B.; GAR'KOVETS, V.G.

New concepts of the structure and distribution of engo-  
genetic mineralization in western Uzbekistan based on  
geophysical data. Uzb. geol. zhur. 7 no.3:62-69 '63.

(MIRA 16:11)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete  
Ministrov UzSSR.

VOL'FSO, N.B.; GAR'KOVETS, V.G.; KHVALOVSKIY, A.G.

Using geophysical methods in prospecting for porphyry copper  
ores in the Almalyk ore zone. Sov.geol. 7 no.2:138-143 F '64.  
(MIRA 17:3)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Minis-  
trov Uzbekskoy SSR.

VOL'FSOV, N. E.

6012. A new type of transplantable cutaneous carcinoma of mice.  
N. E. Vol'fsow. *Usp. Onkol.* 1955, 1, 29-33; *Referat. Zh. Biol.* 1956, Abstr. No. 83495.—A subcut. tumour developed in mice of strain GS<sub>1</sub> at the site of injection of a saline extract of a hepatoma formed in mice of strain S<sub>2</sub>NA. Metastases were present in the regional lymph glands. In structure, both tumour and metastases were squamous-celled carcinomata, with cornification and marked polymorphism. Subcut. inoculation of a metastasis into 3-4 weeks old mice of strain SS<sub>1</sub> gave rise to a tumour of the same histological structure (14 generations). From the 8th generation onwards, the tumour became transplantable in 100% of instances. The time of appearance of the first tumour was reduced from 20 days in the first generation to 7-9 days in the 11-13th generation. The mean length of life of the mice with tumours was reduced from 3 months to 1 month in the 10-12th generation. Metastases appeared only in the first 3 generations, which accounts for the greater length of life of these mice. (Russian) M. LUBAN

*VOL 6 Sec. 4*

EXCERPTA MEDICA Sec.16 Vol.6/4 Cancer April 58

1362. *The blastomogenic action of human tumour extracts (Russian text)* VOLFSON N. I.,  
DIADKOVA A. M., KOROSTELEVA T. A. and SHABAD L. M. Inst. of Oncol. AMSS,  
Leningrad *Vop. Onkol.* 1957, 3/5 (540-546) Tables 3 Illus. 4

Saline extracts of various human tumours (stomach, rectum, mammary fibroadenoma and others) were s.c. injected to 258 mice of low cancer strains (C57 black and CC57). The animals were observed until their natural death. The results obtained were compared with the frequency of spontaneous tumours in mice of the same strains. The quantity of tumorous mice in the experimental group was twice as large as in the control group, the tumours appearing in much younger animals. Tumour types that had not appeared spontaneously before could be observed. The authors believe that these extracts have a small but distinct blastomogenic activity.

GLEZER, G.Ya.; VOL'FSON, N.I.; KUDRYAVTSEVA, G.Ya.

Method for obtaining cellular suspensions of human and animal tumors. Trudy Len.khim.-farm.inst. no.13:133-141 '62.  
(MIRA 15:10)

1. Laboratoriya eksperimental'noy onkologii Instituta onkologii AMN SSSR (zav. prof. L.M.Shabad) i kafedra anatomi i fiziologii Leningradskogo khimiko-farmatsevticheskogo instituta (zav. dotsent A.V.Loginov).

(ONCOLOGY--RESEARCH)

VOL'FSO<sup>N</sup>, N.I.; SOKOLOVSKIY, R.M.; KATSEVMAN, A.Ye.

Some new data on experimental tumors of the cervix uteri. Part I:  
Blastogenic action of ethylene glycol on the epithelium of the vagina  
and cervix uteri in mice. Vest.AMN SSSR 17 no.6:79-87 '62.  
(MIRA 15:8)

1. Institut onkologii AMN SSSR, Leningrad.  
(UTERUS--TUMORS) (VAGINA--TUMORS) (ETHYLENE GLYCOL--TOXICOLOGY)

SHABAD, L.M.; LOGINOV, A.V.; VOL'FSO<sup>N</sup>, N.I.

Method for the primary selection of antitumorous antibiotic substances. Trudy Len.khim.-farm.inst. no.13:115-125 '62.

(MIRA 15:10)

1. Kafedra anatomii i fiziologii Leningradskogo khimiko-farmatsev-ticheskogo instituta (zav. dotsent A.V.Loginov) i laboratoriya eksperimental'noy onkologii Instituta onkologii (zav. prof. L.M. Shabad).

(ANTIBIOTICS) (CYTOTOXIC DRUGS)

GUSEVA, T.F.; VOL'FSO, N.I.; ZOLOTOVA, L.V.

Effect of 4-oxo-6-imino-2,1-pyrimidine-3-thiadiazole and its combination with some other antitumorous preparations on the growth of Ehrlich's tumor. Trudy Len.khim.-farm.inst. no.13:142-149 '62.  
(MIRA 15:10)

1. Kafedra anatomii i fiziologii Leningradskogo khimiko-farmatsevticheskogo instituta (zav. dotsent A.V.Loginov) i laboratoriya eksperimental'noy onkologii Instituta onkologii AMN SSSR (zav. prof. L.M.Shabad).

(THIADIAZOLE) (TUMORS) (CYTOTOXIC DRUGS)

VOL'FSON, N.

VOL'FSON, N., kandidat meditsinskikh nauk

Therapy of cancer with sex hormones. Sovr.probl. onk. 6 no.11:133-  
158 '54. (MLRA 8:2)

(NEOPLASMS, therapy  
sex hormones, review)  
(SEX HORMONES, ther. use  
cancer, review)

VOL'FSON, N.I. (Leningrad, ul. Dzerzhinskogo, d.25, kv. 18)

Some problems in modern hormone therapy of breast cancer; review of Russian literature published during 1952-54. Vop.onk. 1 no.3:129-136 '55. (MLRA 10:1)

1. Iz laboratorii eksperimental'noy onkologii (zaveduyushchiy - chlen korrespondent AMN SSSR, prof. L.M.Shabad) Instituta onkologii AMN SSSR (direktor - cheln-korrespondent AMN SSSR A.I.Serebrov).  
(BREAST, neoplasms,  
ther., hormones, revies)  
(HORMONES, therapeutic use,  
cancer of breast, review)

VOL'FSON, N.I.. (Leningrad, ul. Dzerzhinskogo, d.25, kv. 18)

~~New strain of transplantable mouse skin cancer. Vop.onk. 1 no.4:  
29-33 '55.~~ (MIRA 10:1)

1. Iz laboratorii eksperimental'noy onkologii (zav. chlen-korr.  
AMN SSSR prof. L.M.Shabad) Instituta onkologii AMN SSSR (dir. - chlen  
kor.. AMN SSSR prof. A.I.Serebrov)  
(SKIN, neoplasms,  
exper., new strain of transplantable mouse cancer)  
(NEOPLASMS, experimental,  
new strain of transplantable mouse skin cancer)

VOL'FSON, N.I. (Leningrad, ul. Dzerzhinskogo, d. 25, kv. 18); MIRONOVA, A.I.  
~~St. Petersburg, Liteyny pr., d. 26, kv. 411.~~

Regional effects of embiquin in intra-arterial and intravenous  
injections. Vop. onk. 3 no.1:85-90 '57 (MLRA 10:4)

1. Iz laboratorii eksperimental'noy terapii raka (zav.-chl.-korr.  
AMN SSSR prof. L.F. Larionov) Instituta onkologii AMN SSSR (dir.-  
chl.-korr. AMN SSSR prof. A.I. Serebrov)  
(NITROGEN MUSTARDS, eff.

N-bis(2-chloroethyl)-2-chloropropylamine, on various  
tissues in rabbit after intra-arterial & intravenous inject)

VOL'FSO, Ad. 1.

ZIV, M.A. (Leningrad, Liteynyy pr., d.34, kv.18); PAVLOV, K.A. (Leningrad, ul. Voinova, d.64, kv.15); VOL'FSO, V.I. (Leningrad, ul. Perzhinskogo, d.25, kv.8)

Effects of omain on skin cancer and the precancerous state [with summary in English]. Vop.onk. 3 no.2:221-226 '57. (MLRA 10:6)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen-korr. Akademii meditsinskikh nauk SSSR prof. L.M.Shabad) i nauchno-poliklinicheskogo otdela (zav. - st. nauchnyy sotr. K.A.Pavlov) Instituta onkologii Akademii meditsinskikh nauk SSSR (dir. - chlen-korrespondent Akademii meditsinskikh nauk SSSR prof. A.I.Serebrow).

(SKIN NEOPLASMS, ther.

deacetyl-N-methylcolchicine in cancer & precancerous state (Rus))

(COLCHICINE, related cpds.

deacetyl-N-methylcolchicine, ther. of skin cancer & precancerous state (Rus))

VOL'FSON, N.I.; KOSOV, G.Kh.

Methodology for inducing cancer of the cervix uteri. Vop. onk. 11 no.9:105 '65. (Vop. 19:9)

I. In laboratorii eksperimental'noy onkologii (zav. - zasluzhennyy deyatel' nauki N.V.Lazarev) Instituta onkologii ANN SSSR (dir. - deyatel'nyy chlen ANN SSSR prof. A.I.Serabrov).

VILLIFSON, N.I.; SYNDIK, A.I.

Some results of the 1st of methodological and theoretical conferences  
and methodological seminars of the Institute of Oncology of the  
Academy of Medical Sciences of the U.S.S.R. Vop. onk. 11 no. 5:17-119  
1956. (MIRA 1818)

1. In Translata published AMN USSR (fir. - dayativselen'nye chlen  
AMN SSSR prof. A.I. Serebryev).

VOL'FSON, N.I.

Experimental tumors of the cervix uteri and the vagina of  
mice. Trudy Inst. onk. AMN SSSR no. 3:171-183 '60  
(MIRA 16812.)

1. Iz laboratorii eksperimental'noy onkologii (zav.-chlen  
korrespondent AMN SSSR prof. L.M.Shabad) Instituta onkologii  
AMN SSSR.

VOL'FSOON, N.I.

Characteristics of differentiation and mitotic division of  
epithelium of the cervix uteri and vagina of mice. Vop.onk.  
(MIRA 15:1)  
7 no.8:54-61 '61.

1. Iz laboratorii eksperimental'noy onkologii (kons. - chl.-  
korr. AMN SSSR prof. L.M. Shabad) Instituta onkologii AMN SSSR  
(dir. - deystvit. chl. AMN SSSR prof. A.I. Serebrov).  
(UTERUS--TUMORS) (VAGINA--TUMORS)

VOL'FSON, N.I.

Influence of sex hormones on mucus formation and epithelial corification of the uterus and sex organs in mice. Akush.i gin. no.4: 87-92 '61. (MIRA 15:5)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen-korrespondent AMN SSSR prof. L.M. Shabad) Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov). (GENERATIVE ORGANS, FEMALE) (HORMONES, SEX)

SHABAD, L.M.; LOGINOV, A.V.; VOL'FSON, N.I.

Method of initial selection of antibiotic substances for studying  
their actions on tumors. Eksp. i klin. issl. po antibiot. 1:291-  
303 '58. (ANTIBIOTICS) (MIRA 15:5) (TUMORS)

YEFIMOVA, A.M.; VOL'FZON, N.I.; GUSEVA, T.F.

Method for studying the action of actinomycetes in culture liquids  
on Ehrlich's tumor. Eksp. i klin. issl. po antibiot. 1:311-317 '58.  
(MIRA 15:5)

(ACTINOMYCES)

(CANCER)

VOL'FSO, N.I.; MOROZ, P.E.; YEFIMOVA, A.M.; GUSEVA, T.F.

Evaluation by various methods of intravital microscopy of the  
depth of the lesion from Ehrlich tumor cells in vitro. Eksp. i  
klin. issl. po antibiot. 1:318-324 '58. (MIRA 15:5)  
(CANCER) (MICROSCOPY)

VOL'FSON, N.I.

Effect of testosterone propionate on the induction of experimental  
tumors of the cervix uteri and vagina in mice. Vop. onk. 6 no. 9:15-  
(MIRA 14:1)  
19 S '60.

(GENERATIVE ORGANS, FEMALE—TUMORS)  
(TESTOSTERONE)

VOL'FSO, N.I. (Leningrad, Kuznechnyy per., d. 6, kv. 2); KOMAR, V.Ye.  
(Leningrad, ul. Saltykova-Shchedrina, d. 30, kv. 19)

Effect of associated dl-dihydrosarcomycin and omaine on Ehrlich  
ascites sarcoma [with summary in English]. Vop.onk. 4 no.6:730-734  
'58. (MIRA 12:1)

1. Iz laboratorii eksperimental'noy onkologii (zav. - chlen-korres-  
pondent AMN SSSR prof. L.M. Shabad) Instituta onkologii AMN SSSR  
(dir. - deystv. chlen AMN SSSR prof. A.I. Serebrov).

(COLCHICINE, rel. epds.  
desacetyl-N-methylcholchicine, eff. on Ehrlich  
ascites carcoma, with dihydrosarcomycin (Rus))

(ANTIBIOTICS, effects,  
on exper. Ehrlich ascites sarcoma, with desacetyl-  
N-methylcholchicine (Rus))

(NEOPLASMS, exper.  
eff. of desacetyl-N-methylcholchicine with sarcomycin  
on Ehrlich ascites tumor (Rus))

VOL'FSO, N.I., (Leningrad, Kuznechnyy per., d. 6, kv. 2.)

Effect of androgens on mouse mammary carcinogenesis. Vop. onk. 4 no.5:  
(MIRA 12:1)  
543-547 '58.

1. Iz laboratorii eksperimental'noy onkologii (zav. - chl.-korr. AMN  
SSSR prof. L.M. Shabad) Instituta onkologii AMN SSSR (dir. - deystv. chlen  
AMN SSSR prof. A.I. Serebrov).

(ANDROGENS, eff.

on carcinogenesis in mice (Rus))

(NEOPLASMS, exper.

carcinogenesis, eff. of androgens in mice (Rus))

VOLFSON, N. I.

U.S.S.R. / General Problems of Pathology. Tumors.

T-5

Abs Jour : Ref. Zh.-Biol., No 2, 1958, No 7730

Author : Wolfson, N. I.

Inst :

Title : The Perspectives and Methods of Therapy of Cancer of the Uterus by Means of Sex Hormones. (A Review of the Periodic Foreign Literature)

Orig Pub : Sovrem. Probl. Onkologii. Sb. Perev., obz. i Ref. in Period. Lit., 1957, No 2, 5-11

Abstract : No abstract.

Card : 1/1

• VOLFSON, N.  
EXCERPTA MEDICA Sec 5 Vol 12/8 General Path. Aug 59

2129. THE INFLUENCE OF SOME ANDROGENS ON THE DEVELOPMENT OF  
MAMMARY TUMOURS IN MICE (Russian text) - *Wolffson, N. I. Inst. of  
Oncol. AMS, Leningrad - VOPR. ONKOL. 1958, 4/5 (543-547) Tableau 2*  
A comparative investigation of the influence of some androgens on the incidence  
of mammary cancer development was undertaken in 118 C2HA mice. Androgens  
proved to reduce the occurrence and to delay the time of their appearance. When  
androgens with high hormonal activity were used (such as androstanediol, methyl-  
androstanediol, androstanedione, and methyltestosterone), tumours were rarer  
and developed in a smaller quantity of cases than during the injection of a weaker  
androgen (*epi* androsterone). (V, 3, 16)

Vol'fson, N.I.

USSR/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3123

Author : Vol'fson, N.I., Mironova, A.I.

Inst :

Title : The Local Effect of Embichin after Intraarterial and Intravenous Administrations.

Orig Pub : Vopr. Onkologii, 1957, 3, No 1, 85-90

Abstract : When embichin was administered to rabbits in a dosage of 1 mg/kg into the external iliac artery or the lower portion of the abdominal aorta, and when corresponding veins were compressed for 5-7 minutes, it was possible to avoid depression of the circulatory system. It was impossible to achieve this when the same dose was injected into, for example, the marginal vein of the rabbit's ear without a brief compression of the other vessels.

Card 1/1

9(4)

SOV/112-59-1-1525

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 213 (USSR)

AUTHOR: Korolev, A. A., Volfson, N. M., Levina, A. S., and Sokolov, V. S.

TITLE: Remodeling Gas Rotary-Hearth Furnaces for Annealling the Press Mounts of Receiving Tubes

PERIODICAL: Radiotekhn. proiz-vo, 1957, Nr 10, p 55

ABSTRACT: A rotary-hearth furnace has been designed for high-quality annealling of tube mounts. The furnace has 90 cast-iron "pockets;" 6 of them are heated by three pairs of opposing flat-flame burners, 72 pockets are in a tunnel (without heating), and 12 pockets are open on the top. The annealling time is 14 min, and output temperature, 140-150°C. The process consists of holding the mount at the highest temperature, gradually reducing the temperature in the annealling zone, and cooling. One of the pockets is equipped with a thermo-couple that moves along with the mounts. To facilitate repairs, the tunnel is detachable.

O.K.R.

Card 1/1

VOL'FSON, N. M.

Vol'fson, N. M. "On febrile attacks of schizophrenia,"  
Trudy Sev.-Åset. gos. med. in-ts, Issue 2, 1949, p. 65-70.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

VOL'FSOI, N. M.

Vol'fson, N. M. "On the peculiarities of the course of  
malarial psychoses under wartime conditions," Trudy Sev.-  
Oset. gos. med. in-ta, Issue 2, 1949, p. 19-26.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

VOL'FSON, N. M.

Vol'fson, N. M. "On the peculiarities of exogenous psychoses in wartime accompanied by an amental syndrome," Trudy Sev.-Oset. gos. med. in-ta, Issue 2, 1949, p. 27-36.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statей, No. 17, 1949).

VOL'FSON, N.S.; SHITOVA, Ye.I.; LIVSHITS, B.L., kand. fiz.-mat.  
nauk, otv. red.

[Optical masers (lasers); bibliographic index of Soviet and  
foreign literature for the period 1958 to June 1963] Kvan-  
tovye opticheskie generatory (lazery); bibliograficheskii  
ukazatel' otechestvennoi i zarubezhnoi literatury s 1958 po  
iun' 1963 g. Moskva, Izd-vo "Nauka," 1964. 175 p.  
(MIRA 17:8)

1. Akademiya nauk SSSR. Sektor seti spetsial'nykh bibliotek.

Vol'fsen, P. L.

U S S R

The carbohydrate-phosphate and oxidation metabolism of skeletal muscles in the process of ontogenesis. P. L. Vol'fsen (M. V. Lomonosov Moscow State Univ.). *Biokhimia* 20, 179-87 (1955).—Ground muscle tissue of rabbits at different stages of ontogenesis was used. In embryonic tissue of rabbits glycolysis and oxidation play an equally important part. In the postnatal period the glycolytic phase of carbohydrate metabolism becomes increasingly important, but oxidative phosphorylation is still present. NaF arrests slightly absorption of  $O_2$  and hence slows the oxidative phosphorylation of embryonic muscle tissue. Postnatally in the muscles of rabbits oxidative phosphorylation becomes completely suppressed by NaF. B. S. L.

VOL'FSON, P. M.

20721. Vol'fsen, P.M. Sposoby pogasheniya tselikov. Gornyy zhurnal, 1949, No. 7,  
s. 10-12

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

VOLODIN, A.P.; VOL'FSON, P.M.

Problems of utilizing the method of top slicing. Gor. zhur. no. 2:24-32  
(MIRA 8:?)  
F'55. (Mining engineering)

VOL'FSON, P.M.

VOLODIN, A.P.; VOL'FSON, P.M.; KUYEVDA, K.I.

Cutting down sublevel and caving. Gor. zhur. no.5:3-6 My '55.  
(MIRA 8:7)

(Krivoi Rog--Mining engineering)

SOV-127-58-9-7/26

AUTHOR: Vol'fson, P.M.

TITLE: Appraisal of Industrial Tests of the Spontaneous Sub-Level Caving Method in Ores of Average Strength (Otsenka promyshlenykh ispytaniy sistemy podetazhnogo samoobrusheniya v rудakh sredney kreposti)

PERTIODICAL: Gornyy zhurnal, 1958, Nr 9, pp 42-48 (USSR)

ABSTRACT: Industrial tests of the spontaneous sub-level caving method were conducted by the NIGRI in mines of the Krivoy Rog basin in 1955-56. Tests showed the superiority of this method over other methods of artificial caving of ores of average strength (Table 1). It is also superior to the level spontaneous caving method, as the gravitational forces of the mountain are fully used for breaking up of the exploited massif. Considerable savings in explosives are thus achieved. This method needs further improvement in order to cut down the size of development and reinforcing work. The sub-level spontaneous caving method must be used in deposits or layers

Card 1/2

SP7-127-5a-1-1/2C

Appraisal of Industrial Tests of the Spontaneous Sub-Level Caving Method in  
Ores of Average Strength

not less than 15-20 m thick.  
There are 3 tables, 2 sets of diagrams and 1 photo.

ASSOCIATION: NIGRI

1. Mining engineering--USSR 2. Ores--Production

Card 2/2

VOL'FSON, P.M.; KUYEVDA, K.I.; PROKHODA, A.Z.

Increasing work safety during sub-level caving. Bezop. truda v prom.  
2 no.4:13-14 Ap '58. (MIRA 11:4)

1. Krivorozhskiy nauchno-issledovatel'skiy institut gornorudnoy  
promyshlennosti.  
(Mining engineering--Safety measures)

VOL'FSON, P.M., kand. tekhn. nauk

Advantageous distances between workings on the draw levels under  
high rock pressure. Izv. vys. ucheb. zav.; ger. zhur. 8 no.7;  
13-21 '65. (MIRA 18:9)

1. Krivorozhskiy nauchno-issledovatel'skiy gornorudnyy institut.

VOL'FSO, P.M., kand.tekhn.nauk

Methods of determining and ways of increasing the efficiency of  
stoping in the Krivoy Rog Basin. Goz.zhar. no.3:2-12 Mr '65.  
(MIRA 18:5)

1. Nachal'nik laboratori vypuska i dostavki rudy Nauchno-issledo-  
vatel'skogo gornorudnogo instituta.

TARAN, P.N., kand. tekhn. nauk; VOL'FSON, P.M., kand. tekhn. nauk; VOL'DIN,  
A.P., kand. tekhn. nauk; TESTER, Yu.B., gornyy inzh.

Eliminate multiple horizon mining in the Krivoy Rog Basin.  
Gor. zhur. no.4:3-6 Ap '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

VOL'FSON, P.M.; SII'CHENKO, V.I.; FOMITSKIY, F.F., kand. tekhn. nauk

Evaluation of mining systems used in some Krivoy Rog Basin  
mines from the point of view of losses and the depletion of  
ores. Met. i gornorud. prom. no.1:48-51 Ja-F '64.

(MIRA 17:10)

VOL'FSON, S.A., kand.tekhn.nauk, dots.

Effect of breaks in the track profile on the forces acting  
in coupling devices and on smoothness of the train's  
motion. Sbor.LIZHT no.160:51-65 '58. (MIRA 12:6)  
(Railroads--Track) (Car couplings) (Railroads--Trains)

*Jefferson B*

VOL'FSON, S.B.

Medical services for workers of industrial enterprises offered by  
Moscow Municipal Pirogov Clinical Hospital. Zdrav.Ros.Feder. 1  
no.4:30-36 Ap '57. (MIRA 10:11)  
(MOSCOW--MEDICINE, INDUSTRIAL)

L 36275-45 EWT(m)/EWP(j)/T Pc-4 RM  
ACCESSION NR: AP5008141

S/0286/65/000/005/0019/0019

AUTHORS: Faydel', G. I.; Vol'fson, S. A.; Zisman, D. O.

TITLE: A method for obtaining high-molecular paraformaldehyde. Class 12, No. 163669

SOURCE: Byulleten' izobreteniy i tovarknykh znakov, no. 5, 1965, 19

TOPIC TAGS: formaldehyde, monomer, thermal destruction

ABSTRACT: This Author Certificate describes a method for obtaining a high-molecular paraformaldehyde from a monomer formaldehyde obtained by thermal destruction of  $\alpha$ -polyoxymethylene and its derivatives. To simplify the process the acetylated  $\alpha$ -polyoxymethylene is subjected to thermal destruction.

ASSOCIATION: none

SUBMITTED: 03May62

ENCL: 00

SUB CODE: 0C

NO REF Sov: 000

OTHER: 000

Card 1/1 hs

L 47004-66 EWT(m)/EWP(j)/T  
ACC NR. AP6027278 (A)

IJP(c) WW/RM

SOURCE CODE: UR/0191/66/000/008/0026/0030

AUTHOR: Faydel', G. I.; Vol'fson, S. A.

26  
B

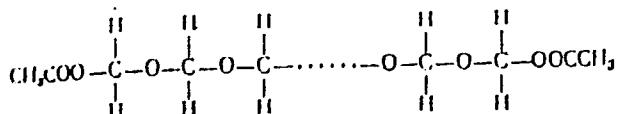
ORG: none

TITLE: Some properties of polyformaldehyde

SOURCE: Plasticheskiye massy, no. 8, 1966, 26-30

TOPIC TAGS: polyformaldehyde plastic, polymer physical property, polymer physical chemistry

ABSTRACT: The article reviews the method of preparation, molecular characteristics, thermal stability, behavior during melting, and the physicomechanical, structural, chemical and dielectric properties of polyformaldehyde (PFA). The latter consists of unbranched polyoxymethylene chains of great length with acetyl terminal groups:



In addition to the process of synthesis and properties of PFA, its working and applications were also studied. Most attention was devoted to working by die casting. The tests showed that PFA will find extensive applications primarily as a structural mate-

Card 1/2

UDC: 678.644'141.01

L 47004-66

ACC NR: AP6027278

rial. Calculations indicate that PFA may become one of the cheapest polymers, since the source of raw materials for its production is practically inexhaustible. Orig. art. has: 4 figures and 3 tables.

SUB CODE: 11/ ORIG REF: 006/ OTH REF: 004

Card 2/2 vmb

L-28437-66 EWT(m)/EWP(j)/T IJP(c)

WW/RM

ACC NR: AP6017976

SOURCE CODE: UR/0413/66/000/010/0079/0079

INVENTOR: Yenikolopov, N. S.; Karmilova, L. V.; Konareva, G. P.; Plechova, O. A.; Vol'fson, S. A.; Brikenshteyn, A. A.

ORG: none

TITLE: Preparative method for heat-resistant copolymers of trioxane. Class 39,  
No. 181808

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 79

TOPIC TAGS: heat resistant copolymer, trioxane, cyclic ether, copolymer

ABSTRACT: An Author Certificate has been issued for a preparative method for heat-resistant copolymers of trioxane and cyclic ethers such as 1,3,6-trioxacyclooctane, 1,3,7-trioxacyclodecane, or 1,3,8-trioxacyclododecane. The method involves bulk copolymerization of the monomers in the presence of cationic catalysts, first below the mp and then above the mp of the monomers. [BO]

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